WEST Search History

Hide Items | Restore | Clear | Cancel

DATE: Friday, September 07, 2007

Hide?	Set Name	Query	Hit Count
		DB=PGPB,USPT; PLUR=YES; OP=ADJ	
☐	L6	L5 and (@AD<20030410 or @RLAD<20030410 or @PRAD<20030410)	25
☐	L5	L4 and GABA	34
☐	L4	L3 and benzimidazole	1055
☐	L3	514/254.06.icls. or 514/254.06.ccls. or 514/394.icls. or 514/394.ccls. or 544/382.icls. or 544/382.ccls. or 548/306.icls. or 548.30c.ccls.	2036
☐	L2	L1 and (benzimidazole.ti. or benzimidazole.ab.)	17
☐	L1	neusearch.as. or neurosearch.as.	129

END OF SEARCH HISTORY

```
        FILE 'REGISTRY' ENTERED AT 13:31:58 ON 07 SEP 2007
L1                STRUCTURE UPLOADED
L2            6 S L1
L3                STRUCTURE UPLOADED
L4            1 S L3
L5          143 S L1 SSS FULL
L6           40 S L3  SUB=L5 FULL

        FILE 'CAPLUS' ENTERED AT 13:34:07 ON 07 SEP 2007
L7            1 S L6
L8            5 S L5
```

```
=> file registry
COST IN U.S. DOLLARS                              SINCE FILE       TOTAL
                                                    ENTRY         SESSION
FULL ESTIMATED COST                                 0.21           0.21

FILE 'REGISTRY' ENTERED AT 13:31:58 ON 07 SEP 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:     6 SEP 2007   HIGHEST RN 946198-52-3
DICTIONARY FILE UPDATES:    6 SEP 2007   HIGHEST RN 946198-52-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Program Files\Stnexp\Queries\10551821generic.str
```
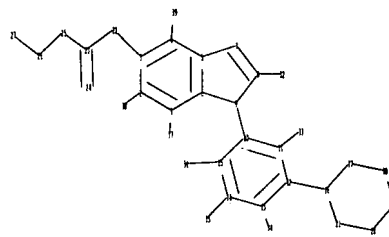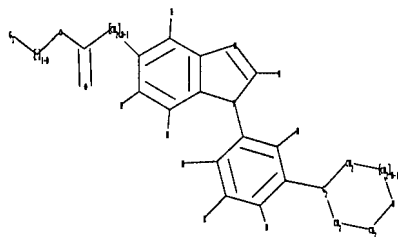
chain nodes :
22   23   24   25   26   27   32   33   34   35   36   37   38   39
ring nodes :
1   2   3   4   5   6   7   8   9   10   11   12   13   14   15   16   17   18   19   20   21
chain bonds :
1-37   2-38   3-22   4-39   8-32   9-10   11-33   12-16   13-34   14-35   15-36   22-23   23-24
23-25   25-26   26-27
ring bonds :
1-2   1-6   2-3   3-4   4-5   5-6   5-7   6-9   7-8   8-9   10-11   10-15   11-12   12-13   13-14
14-15   16-17   16-21   17-18   18-19   19-20   20-21
exact/norm bonds :
1-37   2-38   3-22   4-39   5-7   6-9   7-8   8-9   8-32   9-10   11-33   12-16   13-34   14-35
15-36   16-17   16-21   17-18   18-19   19-20   20-21   22-23   23-24   23-25   25-26   26-27
normalized bonds :
1-2   1-6   2-3   3-4   4-5   5-6   10-11   10-15   11-12   12-13   13-14   14-15

G1:H,O,N,Ph

G2:N,CH

Match level :
1:Atom   2:Atom   3:Atom   4:Atom   5:Atom   6:Atom   7:Atom   8:Atom   9:Atom   10:Atom
11:Atom   12:Atom   13:Atom   14:Atom   15:Atom   16:Atom   17:Atom   18:Atom   19:Atom
20:Atom   21:Atom
22:CLASS   23:CLASS   24:CLASS   25:CLASS   26:CLASS   27:CLASS   32:CLASS   33:CLASS
34:CLASS   35:CLASS

L1   STRUCTURE UPLOADED

=> s l1
SAMPLE SEARCH INITIATED 13:32:24 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -   159 TO ITERATE

100.0% PROCESSED   159 ITERATIONS   6 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
                   .   BATCH   **COMPLETE**
PROJECTED ITERATIONS: 2424 TO   3936
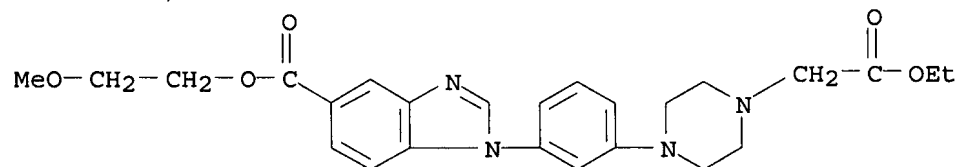PROJECTED ANSWERS: 6 TO   266

L2   6 SEA SSS SAM L1

=> d l2 scan

L2   6 ANSWERS   REGISTRY COPYRIGHT 2007 ACS on STN
IN   1H-Benzimidazole-5-carboxylic acid, 1-[3-[4-(2-ethoxy-2-oxoethyl)-1-
      piperazinyl]phenyl]-, 2-methoxyethyl ester, monohydrochloride (9CI)
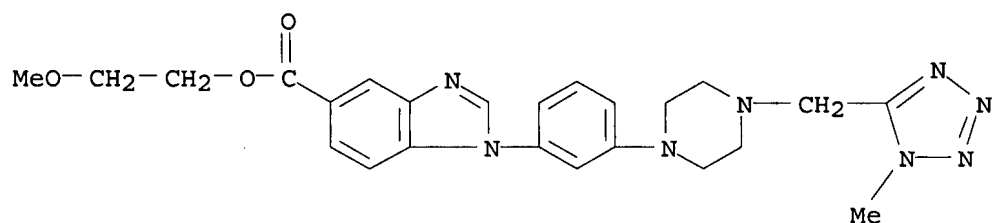MF   C25 H30 N4 O5 . Cl H

● HCl

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):5

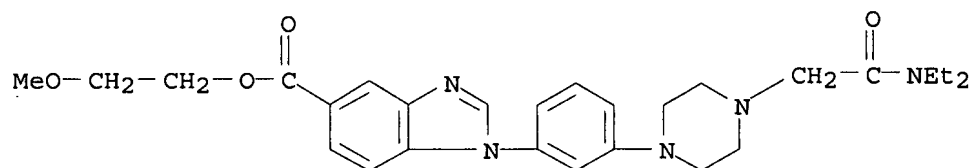L2   6 ANSWERS   REGISTRY COPYRIGHT 2007 ACS on STN
IN   1H-Benzimidazole-5-carboxylic acid, 1-[3-[4-[(1-methyl-1H-tetrazol-5-
      yl)methyl]-1-piperazinyl]phenyl]-, 2-methoxyethyl ester, monohydrochloride
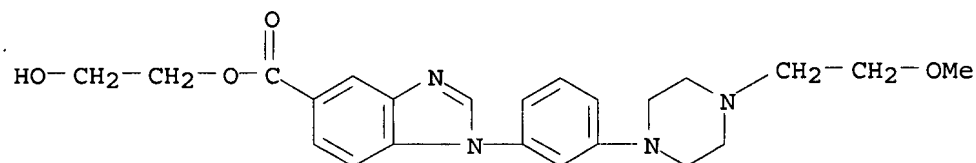   (9CI)
MF   C24 H28 N8 O3 . Cl H

MeO—CH₂—CH₂—O—C(=O)— ... benzimidazole-piperazine-phenyl-tetrazole structure ...

● HCl

MeO—CH₂—CH₂—O—C(=O)— ... benzimidazole-piperazine structure ... —CH₂—C(=O)—NEt₂

● HCl

HO—CH₂—CH₂—O—C(=O)— ... benzimidazole-piperazine structure ... —CH₂—CH₂—OMe

●x HCl

Me₂N—CH₂—CH₂—O—C(=O)— [benzimidazole ring with N] —[phenyl]—[piperazine N—N]—CH₂—CH₂—OMe

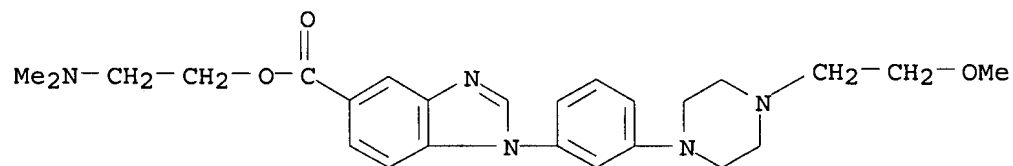**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

L2   6 ANSWERS   REGISTRY   COPYRIGHT 2007 ACS on STN
IN   1H-Benzimidazole-5-carboxylic acid, 1-[3-[4-(2-ethoxy-2-oxoethyl)-1-
      piperazinyl]phenyl]-, ethyl ester, hydrochloride (9CI)
MF   C24 H28 N4 O4 . x Cl H
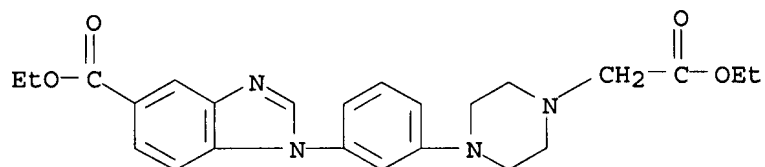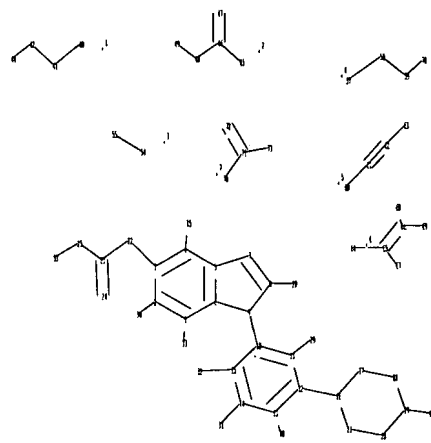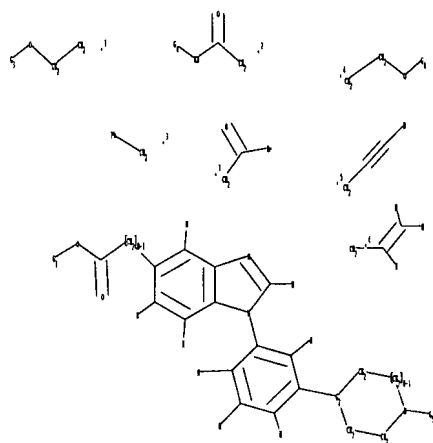
EtO—C(=O)— [benzimidazole ring with N] —[phenyl]—[piperazine N—N]—CH₂—C(=O)—OEt

●x HCl

ALL ANSWERS HAVE BEEN SCANNED

=>
Uploading C:\Program Files\Stnexp\Queries\10551821specific.str

chain nodes :
22   23   24   25   28   29   30   31   32   33   34   35   40   41   42   44   45   46   47   48   49
53   54   55   57   58   59   60   61   62   63   64   65   66   67   68   69   70   71   72   73   78
81
ring nodes :
1   2   3   4   5   6   7   8   9   10   11   12   13   14   15   16   17   18   19   20   21
chain bonds :
1-33   2-34   3-22   4-35   8-28   9-10   11-29   12-16   13-30   14-31   15-32   19-81   22-23
23-24   23-25   25-53   40-41   41-42   42-44   45-46   46-47   46-48   48-49   54-55   57-58
58-59   59-78
60-61   61-62   62-63   64-65   65-66   65-67   66-68   66-69   70-71   71-72   71-73
ring bonds :
1-2   1-6   2-3   3-4   4-5   5-6   5-7   6-9   7-8   8-9   10-11   10-15   11-12   12-13   13-14
14-15   16-17   16-21   17-18   18-19   19-20   20-21
exact/norm bonds :
1-33   2-34   3-22   4-35   5-7   6-9   7-8   8-9   8-28   9-10   11-29   12-16   13-30   14-31
15-32   16-17   16-21   17-18   18-19   19-20   19-81   20-21   22-23   23-24   23-25   25-53
40-41   41-42
42-44   45-46   46-47   46-48   48-49   54-55   57-58   58-59   59-78   60-61   61-62   62-63
64-65   65-66
65-67   66-68   66-69   70-71   71-72   71-73

normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 10-11 10-15 11-12 12-13 13-14 14-15

G1:CH3,n-Bu,i-Bu,[*1],[*2],[*3]

G2:N,CH

G3:CH3,Et,H,N

G4:CH3,Et

G5:[*4],[*5],[*6],[*7]

Match level :
1:Atom   2:Atom   3:Atom   4:Atom   5:Atom   6:Atom   7:Atom   8:Atom   9:Atom   10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom
20:Atom 21:Atom
22:CLASS 23:CLASS 24:CLASS 25:CLASS 28:CLASS 29:CLASS 30:CLASS 31:CLASS
32:CLASS 33:CLASS
34:CLASS 35:CLASS 40:CLASS 41:CLASS 42:CLASS 44:CLASS 45:CLASS 46:CLASS
47:CLASS 48:CLASS
49:CLASS 53:CLASS 54:CLASS 55:CLASS 57:CLASS 58:CLASS 59:CLASS 60:CLASS
61:CLASS 62:CLASS
63:CLASS 64:CLASS 65:CLASS 66:CLASS 67:CLASS 68:CLASS 69:CLASS 70:CLASS
71:CLASS 72:CLASS
73:CLASS 78:CLASS 81:CLASS

L3   STRUCTURE UPLOADED

=> s l3
SAMPLE SEARCH INITIATED 13:33:12 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -   133 TO ITERATE

100.0% PROCESSED   133 ITERATIONS   1 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
                         BATCH   **COMPLETE**
PROJECTED ITERATIONS: 1969 TO   3351
PROJECTED ANSWERS: 1 TO   80
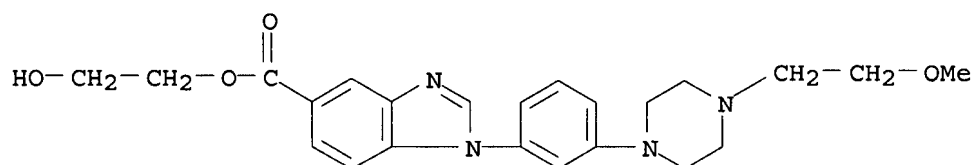
L4   1 SEA SSS SAM L3

=> d l4 scan

L4   1 ANSWERS   REGISTRY   COPYRIGHT 2007 ACS on STN
IN   1H-Benzimidazole-5-carboxylic acid, 1-[3-[4-(2-methoxyethyl)-1-
     piperazinyl]phenyl]-, 2-hydroxyethyl ester, hydrochloride (9CI)
MF   C23 H28 N4 O4 . x Cl H

HO—CH₂—CH₂—O—C(=O)— [benzimidazole]—N—[phenyl]—[piperazine]—N—CH₂—CH₂—OMe structure

●x HCl

ALL ANSWERS HAVE BEEN SCANNED

=> s l1 sss full
FULL SEARCH INITIATED 13:33:32 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   3057 TO ITERATE

100.0% PROCESSED   3057 ITERATIONS   143 ANSWERS
SEARCH TIME: 00.00.01

L5   143 SEA SSS FUL L1

=> y

Y IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> s l3 sub=l5
ENTER SUBSET SEARCH SCOPE - SAMPLE, FULL, RANGE, OR (END):full
FULL SUBSET SEARCH INITIATED 13:33:52 FILE 'REGISTRY'
FULL SUBSET SCREEN SEARCH COMPLETED -   143 TO ITERATE

100.0% PROCESSED   143 ITERATIONS   40 ANSWERS
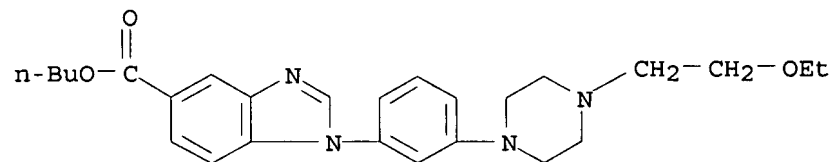SEARCH TIME: 00.00.01

L6   40 SEA SUB=L5 SSS FUL L3

=> d l6 scan

L6   40 ANSWERS   REGISTRY   COPYRIGHT 2007 ACS on STN
IN   1H-Benzimidazole-5-carboxylic acid, 1-[3-[4-(2-ethoxyethyl)-1-
     piperazinyl]phenyl]-, butyl ester (9CI)
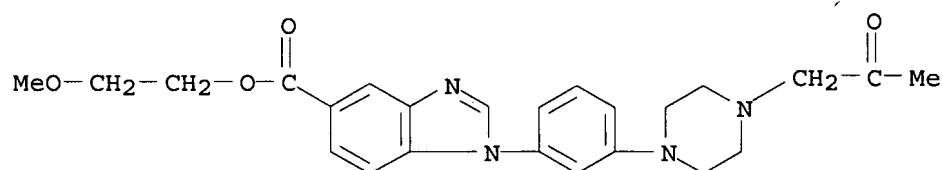MF   C26 H34 N4 O3
CI   COM

n-BuO—C(=O)— [benzimidazole]—N—[phenyl]—[piperazine]—N—CH₂—CH₂—OEt structure

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6   40 ANSWERS   REGISTRY   COPYRIGHT 2007 ACS on STN
IN   1H-Benzimidazole-5-carboxylic acid, 1-[3-[4-(2-oxopropyl)-1-
      piperazinyl]phenyl]-, 2-methoxyethyl ester (9CI)
MF   C24 H28 N4 O4
CI   COM

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6   40 ANSWERS   REGISTRY   COPYRIGHT 2007 ACS on STN
IN   1H-Benzimidazole-5-carboxylic acid, 1-[3-[4-(2-ethoxyethyl)-1-
      piperazinyl]phenyl]-, 2-hydroxyethyl ester, hydrochloride (9CI)
MF   C24 H30 N4 O4 . x Cl H

●x HCl

L6   40 ANSWERS   REGISTRY   COPYRIGHT 2007 ACS on STN
IN   1H-Benzimidazole-5-carboxylic acid, 1-[3-[4-(2-ethoxyethyl)-1-
      piperazinyl]phenyl]-, 2-methylpropyl ester (9CI)
MF   C26 H34 N4 O3
CI   COM
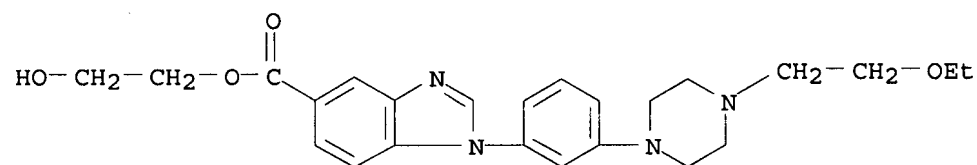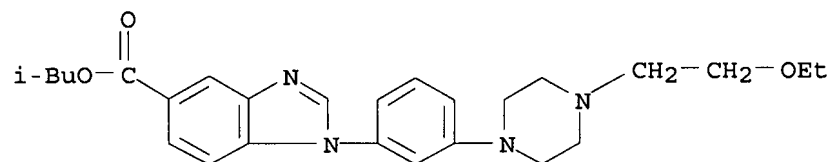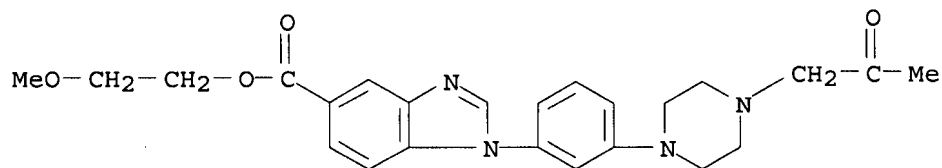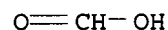

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6   40 ANSWERS   REGISTRY COPYRIGHT 2007 ACS on STN
IN   1H-Benzimidazole-5-carboxylic acid, 1-[3-[4-(2-oxopropyl)-1-
      piperazinyl]phenyl]-, 2-methoxyethyl ester, formate (9CI)
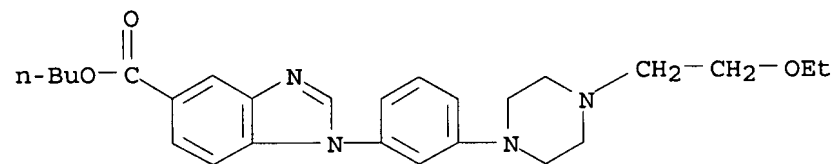MF   C24 H28 N4 O4 . x C H2 O2

    CM   1

MeO—CH2—CH2—O—C(=O)—[benzimidazole: N=CH, N]—[phenyl]—[piperazine: N, N]—CH2—C(=O)—Me

    CM   2

O=CH—OH

L6   40 ANSWERS   REGISTRY COPYRIGHT 2007 ACS on STN
IN   1H-Benzimidazole-5-carboxylic acid, 1-[3-[4-(2-ethoxyethyl)-1-
      piperazinyl]phenyl]-, butyl ester, hydrochloride (9CI)
MF   C26 H34 N4 O3 . x Cl H

n-BuO—C(=O)—[benzimidazole: N=CH, N]—[phenyl]—[piperazine: N, N]—CH2—CH2—OEt

●x HCl

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> file caplus
COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                                     ENTRY   SESSION
FULL ESTIMATED COST   214.10   214.31

FILE 'CAPLUS' ENTERED AT 13:34:07 ON 07 SEP 2007
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PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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FILE COVERS 1907 - 7 Sep 2007 VOL 147 ISS 12
FILE LAST UPDATED: 6 Sep 2007 (20070906/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/infopolicy.html

```
=> s 16
L7            1 L6

=> s 15
L8            5 L5

=> d 18 1-5 ti abs bib
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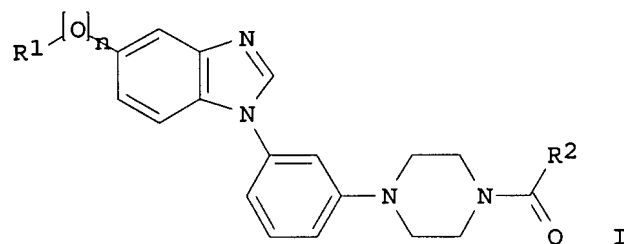
L8   ANSWER 1 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN
TI   Preparation of benzimidazole derivatives and their use for modulating the
      GABAA receptor complex
GI

AB   The title compds. I [R1 = (un)substituted alkyl; n = 0-1; R2 = H, alkyl],
      useful in the treatment of central nervous system diseases and disorders
      which are responsive to modulation of the GABAA receptor complex, and in
      particular for combating anxiety and related diseases, were prepared E.g.,
      a multi-step synthesis of I [R1 = Me; n = 0; R2 = Me], starting from
      1-fluoro-3-nitrobenzene and piperazine, was given. Exemplified compds. I
      were tested for in vitro inhibition of 3H-flunitrazepam binding (specific
      data given for representative compds. I). This invention also relates to
      pharmaceutical compns. containing compds. I.
AN   2006:1123263 CAPLUS <<LOGINID::20070907>>
DN   145:455013
TI   Preparation of benzimidazole derivatives and their use for modulating the
      GABAA receptor complex
IN   Teuber, Lene; Larsen, Janus S.; Ahring, Philip K.; Nielsen, Elsebet
      Oestergaard; Mirza, Naheed
PA   Neurosearch A/S, Den.
SO   PCT Int. Appl., 31pp.
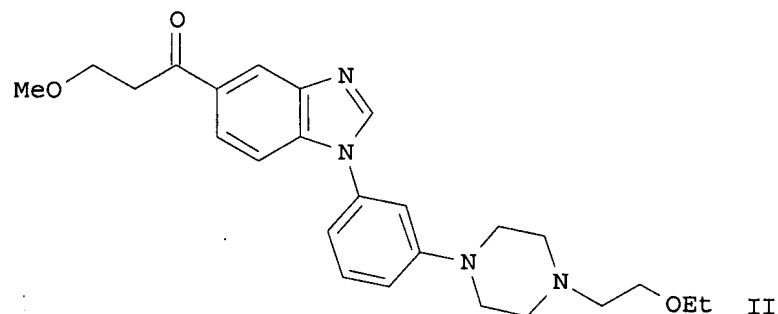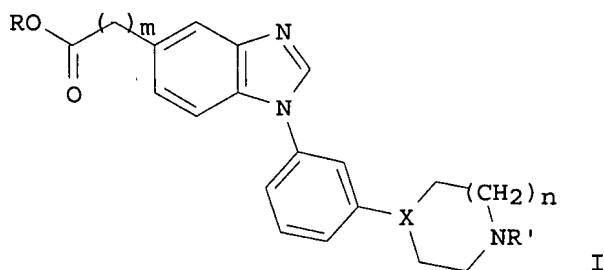   CODEN: PIXXD2
DT   Patent
LA   English
FAN.CNT 1
      PATENT NO.   KIND   DATE   APPLICATION NO.   DATE
      ---------------   ----   --------   --------------------   --------

L8   ANSWER 2 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN
TI   Preparation of benzimidazole modulators of GABAA receptor complex
GI

AB   Title compds. represented by the formula I [wherein R = (alkoxy)alkyl,
     hydroxyalkyl, aminoalkyl, etc.; R' = alkoxyalkyl, alkoxyalkenyl,
     alkoxyalkynyl, etc.; X = N or CH; m = 0-1; n = 1-2; or N-oxides, or
     pharmaceutically acceptable salts thereof] were prepared as inhibitors of
     3H-flunitrazepam (H3-FNM), which binds selectively and with high-affinity
     to the GABAA receptor-ion channel complex. For example, II was given in a
     multi-step synthesis starting from 4-chloro-3-nitrobenzoic acid. I were
     tested for inhibition of 3H-FNM binding with ED50 values of 25-75%. Thus,
     I and their pharmaceutical compns. are useful for as modulators of GABAA
     receptor complex for the treatment of treatment of central nervous system
     diseases and disorders, which are responsive to modulation of the GABAA
     receptor complex, and in particular for inducing and maintaining
     anesthesia, sedation and muscle relaxation, as well as for combating

febrile convulsions in children, as well as veterinarians.
```
AN      2004:878379  CAPLUS  <<LOGINID::20070907>>
DN      141:366229
TI      Preparation of benzimidazole modulators of GABAA receptor complex
IN      Larsen, Janus S.; Teuber, Lene
PA      Neurosearch A/S, Den.
SO      PCT Int. Appl., 41 pp.
        CODEN: PIXXD2
DT      Patent
LA      English
FAN.CNT 1
        PATENT NO.          KIND    DATE        APPLICATION NO.          DATE
        --------------      ----    --------    --------------------     --------
PI      WO 2004089912       A1      20041021    WO 2004-EP50427          20040402
        W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
            CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
            GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
            LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
            NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
            TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
        RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,
            BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE,
            ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
            SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN,
            TD, TG
        EP 1615896          A1      20060118    EP 2004-725384           20040402
        R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
            IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR
        JP 2006522773       T       20061005    JP 2006-505515           20040402
        US 2006241101       A1      20061026    US 2005-551821           20050930
PRAI    DK 2003-557         A       20030410
        US 2003-461794P     P       20030411
        WO 2004-EP50427     W       20040402
OS      MARPAT 141:366229
RE.CNT  3       THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
                ALL CITATIONS AVAILABLE IN THE RE FORMAT


L8      ANSWER 3 OF 5  CAPLUS  COPYRIGHT 2007 ACS on STN
TI      Preparation of 1-phenyl-5-benzimidazolecarboxylates for the treatment of
        GABAA mediated disorders
GI
```

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

```
AB      Title compds. I [wherein R1 = H or Me; R3 = CO2R4 or CONR4R5; R4 and R5 =
        Me or Et; X = N or CH; n = 1 or 2; with 6 specific exclusions; or
        pharmaceutically acceptable salts thereof] were prepared as GABAA agonists.
        For example, cycloaddn. of 2-hydroxyethyl 3-amino-4-(3-(1-
        (ethoxycarbonylmethyl)piperidin-4-yl)phenylamino)benzoate (preparation given)
        and tri-Et orthoformate in THF at the presence of a catalytic amount of
        p-TsOH gave II•HCl in 58% yield after precipitation by addition of etheral
HCl.
        The compds. I are useful in the treatment of central nervous system
        diseases and disorders, which are responsive to modulation of the GABAA
        receptor complex, and in particular for inducing and maintaining
        anesthesia, sedation and muscle relaxation, as well as for combating
        febrile convulsions in children (no data).  Preferred compds. of the
        invention exhibit reduced anesthetic side effects.  I may also be used by
        veterinarians.
AN      2002:487549  CAPLUS  <<LOGINID::20070907>>
DN      137:47199
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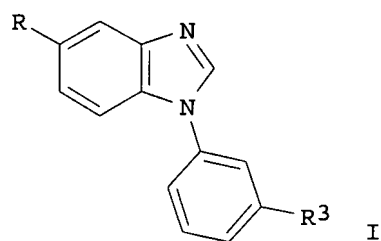
AB   Title compds. [I; R = AqR1; A = alkylene, alkenylene, alkynylene; q = 0,
      1; R1 = CO2R2, C(:XR13)R12, (substituted) heterocyclyl; R2 = H, alkyl,
      hdyroxyalkyl, alkoxyalkyl, thioalkoxyalkyl, heterocyclylalkyl, aminoalkyl;
      X = N, CH; R12 = H, alkyl, alkoxy, hydroxyalkyl; R13 = H, OH, alkyl,
      alkoxy, hydroxyalkyl; R3 = (substituted) heterocyclyl, heterocyclylalkyl,
      (esterified) carboxy, carboxyalkyl], were prepared Thus, 2-methoxyethyl
      3-amino-4-[3-[1-(ethoxycarbonylmethyl)-4-piperazinylmethyl]phenylamino]ben
      zoate (preparation given) was refluxed with (EtO)3CH and p-TsOH in THF to give
      64% 2-methoxyethyl 1-[3-[4-(ethoxycarbonyl)-1-
      piperazinylmethyl]phenyl]benzimidazole-5-carboxylate. I inhibited 3H-FNM
      binding to GABAA receptors with IC50 = 0.0006-0.26 μM.
AN   2000:911227 CAPLUS <<LOGINID::20070907>>
DN   134:56672
TI   Preparation of arylbenzimidazolecarboxylates as GABAA receptor complex

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            modulators.
IN     Teuber, Lene; Watjen, Frank
PA     Neurosearch A/S, Den.
SO     PCT Int. Appl., 107 pp.
       CODEN: PIXXD2
DT     Patent
LA     English
FAN.CNT 1
       PATENT NO.              KIND   DATE         APPLICATION NO.          DATE
       --------------          ----   --------     --------------------     --------
PI     WO 2000078728           A1     20001228     WO 2000-DK333            20000622
       W:   AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
            CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,
            HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
            LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,
            SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,
            YU, ZA, ZW
       RW:  GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
            DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,
            CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
       CA 2373921              A1     20001228     CA 2000-2373921          20000622
       BR 2000011823           A      20020319     BR 2000-11823            20000622
       EP 1194410              A1     20020410     EP 2000-938584           20000622
       EP 1194410              B1     20060118
       R:   AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, MC, IE, SI,
            LT, LV, FI, RO, CY, PT, SE
       JP 2003502405           T      20030121     JP 2001-504895           20000622
       NZ 515543               A      20031128     NZ 2000-515543           20000622
       AU 777961               B2     20041104     AU 2000-53910            20000622
       RU 2243226              C2     20041227     RU 2001-131104           20000622
       AT 316076               T      20060215     AT 2000-938584           20000622
       US 2003055055           A1     20030320     US 2001-12490            20011212
       US 6649609              B2     20031118
       MX 2002PA00107          A      20020702     MX 2002-PA107            20011219
       US 2004097570           A1     20040520     US 2003-618727           20030715
       US 6936613              B2     20050830
PRAI   DK 1999-888             A      19990622
       WO 2000-DK333           W      20000622
       US 2001-12490           A3     20011212
OS     MARPAT 134:56672
RE.CNT  9      THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD
               ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8     ANSWER 5 OF 5  CAPLUS  COPYRIGHT 2007 ACS on STN
TI     Preparation of 1-phenylbenzimidazole compounds and their use as GABAA
       receptor modulators
GI
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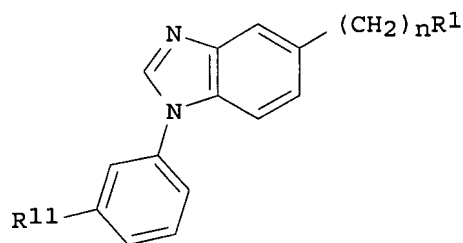

I

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AB     Benzimidazoles I [n = 0, 1, 2, 3; R1 = alkyl, Ph group, monocyclic
       heterocyclic group, which groups may be substituted one or more times with
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substituents selected from alkyl, cycloalkyl, cycloalkylalkyl, alkoxy,
halogen, trifluoromethyl, cyano, amino, nitro; or R1 = cyano group or a
group of the formula -alkyl-CO2R2, alkenyl-CO2R2, -COR2, -CO2(CH2)mR2,
-C(R3):NOR2; R11 -CO2R9, etc.], useful in the treatment of central nervous
system diseases and disorders, which are responsive to modulation of the
GABAA receptor complex, such as for example anxiety, sleep disorders,
anesthesia, memory disorders, and epilepsia or other convulsive disorders,
were prepared E.g., reaction of iso-Pr 4-chloro-3-nitrobenzoate with
3-piperidinoaniline gave 54% iso-Pr 4-(3-piperidinoanilino)-3-
nitrobenzoate. The latter was hydrogenated and the resulting diamine
treated with formic acid to give 5-(isopropoxycarbonyl)-1-(3-
piperidinophenyl)benzimidazole.

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AN    1998:268492  CAPLUS <<LOGINID::20070907>>
DN    128:321644
TI    Preparation of 1-phenylbenzimidazole compounds and their use as GABAA
      receptor modulators
IN    Teuber, Lene; Watjen, Frank
PA    Neurosearch A/S, Den.; Teuber, Lene; Watjen, Frank
SO    PCT Int. Appl., 89 pp.
      CODEN: PIXXD2
DT    Patent
LA    English
FAN.CNT 1
      PATENT NO.         KIND    DATE        APPLICATION NO.         DATE
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PI    WO 9817651         A1      19980430    WO 1997-DK462           19971021
      W:  AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI,
          GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD,
          MG, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ,
          TM, TT, UA, UG, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
      RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR,
          GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA,
          GN, ML, MR, NE, SN, TD, TG
      CA 2267114         A1      19980430    CA 1997-2267114         19971021
      AU 9746161         A       19980515    AU 1997-46161           19971021
      AU 726447          B2      20001109
      EP 934281          A1      19990811    EP 1997-944749          19971021
      R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
          IE, SI, LT, LV, FI, RO
      CN 1234025         A       19991103    CN 1997-198988          19971021
      CN 1115336         B       20030723
      NZ 334868          A       20010223    NZ 1997-334868          19971021
      JP 2001502675      T       20010227    JP 1998-518852          19971021
      RU 2194699         C2      20021220    RU 1999-110508          19971021
      US 6218547         B1      20010417    US 1999-269643          19990331
      US 6503925         B1      20030107    US 2001-768506          20010125
      US 2003166638      A1      20030904    US 2002-299854          20021120
      US 6710044         B2      20040323
PRAI  DK 1996-1157       A       19961021
      WO 1997-DK462      W       19971021
      US 1999-269643     A3      19990331
      US 2001-768506     A3      20010125
OS    MARPAT 128:321644
RE.CNT  5     THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
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